

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091923\
 Data File : BG059095.D
 Acq On : 19 Sep 2023 19:02
 Operator : MA/JU
 Sample : SSTD02027
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020430

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/20/2023
 Supervised By :mohammad ahmed 09/21/2023

Quant Time: Sep 20 04:10:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 20 03:48:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.300	152	27591	20.000	ng/u1	0.00
20) Naphthalene-d8	11.144	136	137319	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.928	164	84190	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.677	188	198442	20.000	ng/u1	0.00
79) Chrysene-d12	21.996	240	177717	20.000	ng/u1	0.00
88) Perylene-d12	25.544	264	204364	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.611	96	5851	9.246	ng/uL	0.00
4) Pyridine-d5	4.046	84	42620	19.719	ng/u1	0.00
7) Phenol-d5	7.407	99	56394	20.596	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.618	67	36590	21.648	ng/u1	0.00
11) 2-Chlorophenol-d4	7.812	132	42367	20.733	ng/u1	0.00
15) 4-Methylphenol-d8	8.982	113	45964	20.599	ng/u1	0.00
21) Nitrobenzene-d5	9.493	128	22868	20.487	ng/u1	0.00
24) 2-Nitrophenol-d4	10.210	143	22549	20.510	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.738	165	43955	20.624	ng/u1	0.00
31) 4-Chloroaniline-d4	11.285	131	67213	20.203	ng/u1	0.00
46) Dimethylphthalate-d6	14.322	166	140842	21.685	ng/u1	0.00
49) Acenaphthylene-d8	14.628	160	169210	23.579	ng/u1	0.00
54) 4-Nitrophenol-d4	15.098	143	24689	19.556	ng/u1	0.00
60) Fluorene-d10	15.915	176	127983	22.607	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.020	200	21656	19.132	ng/u1	0.00
73) Anthracene-d10	17.777	188	195671	21.662	ng/u1	0.00
81) Pyrene-d10	20.045	212	225280	22.141	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.292	264	217273	21.540	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.652	88	6275	7.159	ng/uL	100
5) Pyridine	4.064	79	44417	20.203	ng/u1	100
6) Benzaldehyde	7.442	77	34777	24.190	ng/u1	100
8) Phenol	7.436	94	57844	20.442	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.712	93	47912	21.692	ng/u1	100
12) 2-Chlorophenol	7.848	128	44912	21.329	ng/u1	100
13) 2-Methylphenol	8.717	108	43927	19.360	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.805	45	99987	21.512	ng/u1	100
16) Acetophenone	9.140	105	70474	19.574	ng/u1	100
17) N-Nitroso-di-n-propyla...	9.099	70	35259	18.652	ng/u1	100
18) 4-Methylphenol	9.046	108	46522	18.703	ng/u1	100
19) Hexachloroethane	9.381	117	16630	19.643	ng/u1	100
22) Nitrobenzene	9.540	77	50389	18.697	ng/u1	100
23) Isophorone	10.045	82	111023	20.439	ng/u1	100
25) 2-Nitrophenol	10.245	139	25245	20.548	ng/u1	100
26) 2,4-Dimethylphenol	10.268	107	46106	19.008	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.527	93	67507	21.281	ng/u1	100
29) 2,4-Dichlorophenol	10.768	162	44639	20.768	ng/u1	100
30) Naphthalene	11.197	128	158408	21.366	ng/u1	100
32) 4-Chloroaniline	11.308	127	65918	20.595	ng/u1	100
33) Hexachlorobutadiene	11.426	225	28943	22.895	ng/u1	100
34) Caprolactam	12.096	113	17463m	21.115	ng/u1	
35) 4-Chloro-3-methylphenol	12.378	107	45651	18.243	ng/u1	100
36) 2-Methylnaphthalene	12.777	142	103935	20.702	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.989	142	106510	20.776	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	13.118	216	55155	24.332	ng/ul	100
40) Hexachlorocyclopentadiene	13.071	237	31664	23.006	ng/ul	100
41) 2,4,6-Trichlorophenol	13.359	196	35051	21.462	ng/ul	100
42) 2,4,5-Trichlorophenol	13.423	196	37320	21.035	ng/ul	100
43) 1,1'-Biphenyl	13.764	154	145611	23.559	ng/ul	100
44) 2-Chloronaphthalene	13.817	162	111185	22.038	ng/ul	100
45) 2-Nitroaniline	14.029	65	35346	20.324	ng/ul	100
47) Dimethylphthalate	14.369	163	142234	21.566	ng/ul	100
48) 2,6-Dinitrotoluene	14.510	165	28166	21.579	ng/ul	100
50) Acenaphthylene	14.657	152	179708	21.554	ng/ul	100
51) 3-Nitroaniline	14.851	138	29861	21.939	ng/ul	100
52) Acenaphthene	14.992	153	121005	22.147	ng/ul	100
53) 2,4-Dinitrophenol	15.039	184	13489	18.761	ng/ul	100
55) 4-Nitrophenol	15.110	109	16509	18.159	ng/ul	100
56) Dibenzofuran	15.327	168	161857	20.924	ng/ul	100
57) 2,4-Dinitrotoluene	15.286	165	39394	21.043	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.533	232	34878	22.020	ng/ul	100
59) Diethylphthalate	15.715	149	141965	21.193	ng/ul	100
61) Fluorene	15.973	166	141158	21.333	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.956	204	68699	22.443	ng/ul	100
63) 4-Nitroaniline	16.009	138	27862m	21.730	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.038	198	24086	19.794	ng/ul	100
67) N-Nitrosodiphenylamine	16.173	169	113091	19.716	ng/ul	100
68) 4-Bromophenyl-phenylether	16.855	248	42226	21.506	ng/ul	100
69) Hexachlorobenzene	16.943	284	47501	21.452	ng/ul	100
70) Atrazine	17.107	200	49332	23.375	ng/ul	100
71) Pentachlorophenol	17.295	266	30044	21.192	ng/ul	100
72) Phenanthrene	17.718	178	238308	21.544	ng/ul	100
74) Anthracene	17.812	178	247443	21.597	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.723	216	57557	23.667	ng/uL	100
76) Pentachlorobenzene	15.215	250	53040	22.745	ng/uL	100
77) Carbazole	18.089	167	205576	20.339	ng/ul	100
78) Di-n-butylphthalate	18.594	149	254709	19.303	ng/ul	100
80) Fluoranthene	19.710	202	277756	21.756	ng/ul	100
82) Pyrene	20.074	202	288585	21.644	ng/ul	100
83) Butylbenzylphthalate	20.938	149	103218	19.398	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.884	252	97310	22.781	ng/ul	100
85) Benzo(a)anthracene	21.972	228	272442	21.261	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.814	149	155093	19.175	ng/ul	100
87) Chrysene	22.049	228	259014	21.809	ng/ul	100
89) Di-n-octyl phthalate	23.136	149	268517	19.586	ng/ul	100
90) Benzo(b)fluoranthene	24.393	252	275721	21.520	ng/ul	100
91) Benzo(k)fluoranthene	24.475	252	277874	21.704	ng/ul	100
93) Benzo(a)pyrene	25.374	252	261753	21.602	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	29.640	276	292969m	21.516	ng/ul	
95) Dibenzo(a,h)anthracene	29.734	278	229041	21.078	ng/ul	100
96) Benzo(g,h,i)perylene	30.962	276	236951m	21.352	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

